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C-A OPERATIONS PROCEDURES MANUAL

ATTACHMENT

4.56.am RHIC Zone 4z2 Sweep Checklist

Text Pages 2 through 3

C-A-OPM Procedures in which this Attachment is used.

4.56		

Hand Processed Changes

<u>HPC No.</u>	<u>Date</u>	<u>Page Nos.</u>	<u>Initials</u>
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Revision No. 00

Approved: _____
Collider-Accelerator Department Chairman Date

P. Ingrassia, W. MacKay

C-A-OPM-ATT 4.56am (Y)

RHIC Zone 4z2 Sweep Checklist

Team Leader (TL) _____ Sweeper#2 (S2) _____

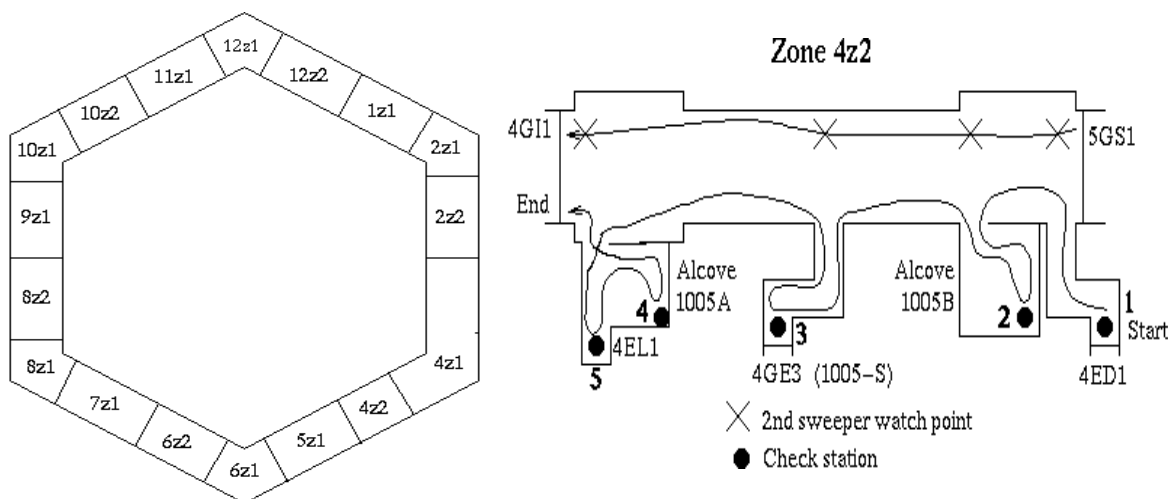
Time: _____ Date: _____

Warning:

IF any workers are encountered during the sweep, **THEN** contact the OC to see if the sweep should be aborted. Workers shall leave the enclosure **WITH** the sweep team. **IF** the workers crash out of the enclosure **AND** do not exit with the sweep team, **THEN** the sweep shall be re-started.

Prerequisites

- Two persons to perform the sweep,
- At least one sweeper not restricted from working at heights over five feet.
- RHIC Zone 4z2 Sweep Checklist (two pages)
- Required Tools: at least one flashlight,
- Walkie-talkies
- All Doors closed THEN 4z2 set to Controlled Access
- Keys: Sweep Reset key S/R015, Controlled Access key CA014, S/R011



Note:

References to positions in the tunnel are made using the RHIC magnets. The identity of the local magnet can be determined by looking up at the "lower" cable tray and reading the magnet name on a blue (B) or yellow (Y) label. For example, the convention used is: I05Q17 (Inside, Q17) or O-05Q17 (Outside, Q17). References are for inside locations and are visible only by the TL

check

- ____ 1. Sweep team enters 4z2 after TL requests simultaneous release from MCR (4GE3 is the recommended entry door).
- ____ 2. TL opens 4GE3 gate by turning the CA015 key clockwise, in the Controlled Access key-switch while Operator in MCR presses simultaneous release for 4GE3.

CONTINUED ON REVERSE SIDE

- ___3 Sweep team walks to 5GS1 at the far (5 o'clock) end of the 4z2 zone TL on the inside, S2 on the outside.
- ___4 S2 stands static watch at I05Q21 near gate 5GS1.
- ___5 TL walks down labyrinth to 4ED1 door.
- ___6 TL resets gate 4ED1 using the S/R015 key in the RESET keyswitch .
- ___7 TL observes the yellow RESET lamp is lighted
- ___8 TL STARTS SWEEP by turning the S/R015 key CW in the SWEEP key-switch at 4CS5.
- ___9 TL observes AREA SECURED lamp blink once.
- ___10 TL sweeps out the labyrinth and rejoins S2.
- ___11 TL stands static watch while S2 climbs yellow stairs and searches fan vents (5EF1) and the LEDGE above the cable trays.
- ___12 S2 returns to the outside of the tunnel and stands static watch.
- ___13 TL goes to check station 4CS4 in the "B" Alcove.
- ___14 TL sets second check station (4CS4) by turning S/R015 key in the SWEEP keyswitch.
- ___15 TL observes AREA SECURED lamp blink once.
- ___16 TL searches all the equipment racks, sweeps out the alcove, and rejoins S2.
- ___17 Sweep team sweeps Counter Clockwise (CCW) around RHIC.
- ___18 S2 stands static watch opposite I04Q18
- ___19 TL walks down labyrinth to 4GE3.
- ___20 TL sets second check station (4CS3) by turning S/R015 key in the SWEEP keyswitch.
- ___21 TL observes AREA SECURED lamp blinks once.
- ___22 TL sweeps up labyrinth and joins S2.
- ___23 Sweep team sweeps Counter Clockwise (CCW) around RHIC.
- ___24 TL stops at I04D17 to check fan vent barrier (4AV1) is in place
- ___25 Sweep team sweeps Counter Clockwise (CCW) around RHIC and stops at 4GI1
- ___26 S2 stands static watch at 4GI1
- ___27 TL walks to the ladder at 4EL1 in alcove A.
- ___28 IF there is no mirror to verify no one is on the landing at the top of the ladder, THEN TL must climb the ladder to verify no one is on the landing and to check that 4EL1 door is closed.
- ___29 TL resets gate 4EL1 using the S/R015 key in the RESET keyswitch at the bottom of the ladder.
- ___30 IF 4EL1 will not reset THEN TL climbs the ladder, closes 4EL1, then repeats step 23.
- ___31 TL observes RESET lamp lights after RESET.
- ___32 TL sets third check station (4CS1) by turning S/R011 key in the SWEEP keyswitch.
- ___33 TL observes AREA SECURED lamp blink once.
- ___34 TL searches all the equipment racks,
- ___35 TL goes to check station 4CS2 at the far corner of the alcove.
- ___36 TL ENDS SWEEP at fourth check station (4CS2) by turning S/R015 key in the SWEEP keyswitch.
- ___37 TL observes AREA SECURED lamp lights amber.
- ___38 TL sweeps out the alcove, and rejoins S2.
- ___39 TL confirms fan vent barrier is in place above S2 and that ceiling barricade is in place.
- ___40 IF not reset, THEN, TL resets gate 4GI1 using the S/R015 key in the RESET keyswitch.
- ___41 TL observes RESET lamp lights.
- ___42 Sweep Team walks CW back to 4GE3
- ___43 TL contacts MCR for simultaneous release for gate 4GE3.
- ___44 Sweep Team sweeps out zone 4z2 through 4GE3.
- ___45 TL observes the yellow AREA SECURED lamp is lighted.
- ___46 TL contacts MCR and confirms that gates are reset and 4z2 zone indicates sweep is good.

<p style="text-align: center;">Note: IF the AREA SECURED, and GATE RESET lamps are not lit THEN contact MCR to verify sweep is good and gate(s) are reset.</p>
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- ___41 After returning keys to keytree in MCR, TL RESETS the RCA gate 4GE3 using the RHIC PanelView.
- ___42 After verifying that all information is filled out completely, TL files the checklist in FY_xx Sweep Log binder.